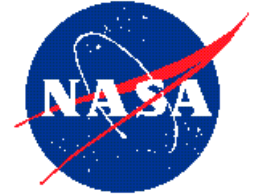


Scanning/Reaction Momentum Wheel (T-SCANWHEEL Registered Trade Mark)



ITHACO, INC
ITHACA, NY

INNOVATION

New reaction/momentum wheel adapted with an integral high-accuracy scanning sensor.

ACCOMPLISHMENTS

- ◆ Developed, in a single package, a combination of high accuracy Earth sensor with reaction/momentum actuator that provides attitude information as well as attitude control, and:
 - Is low cost
 - Minimizes mass
 - Minimizes power consumption

COMMERCIALIZATION

- ◆ Sales growth of this new product has proven a major addition to standard products available for Attitude Determination and Control Systems
- ◆ Market is world wide for this unique product
- ◆ A total of nineteen ITHACO T-SCANWHEELS have been sold

GOVERNMENT/SCIENCE APPLICATIONS

- ◆ Any government small LEO satellite which is Earth oriented and incorporates reaction/momentum wheels for control (either momentum bias or zero momentum)



SCANNING MOMENTUM WHEEL
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GOVERNMENT/SCIENCE APPLICATIONS (CONT'd)

- ◆ Programs supported by this instrument include: the Space Test Experiment Platform for the US Air Force; Wake Shield Facility for NASA JSC; Total Ozone Mapping Spectrometer- Earth Probe for NASA GSFC; Fast On-Orbit Recording of Transient Events for DOE; Republic of China Satellite; Eagle Test Bed for TRW; and SAC-C

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